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WHAT IS CLAIMED IS:

- 1. A semiconductor device comprising:
- a supporting substrate made of insulating material;
- a conductive pattern provided on a surface of the supporting substrate;

an external connecting terminal provided on a back surface of the supporting substrate and electrically connected to the conductive patterns;

a circuit element provided on the conductive pattern; and

a glass plate that covers the circuit element and that forms a hollow airtight portion between the supporting substrate and the glass plate.

- 2. A semiconductor device according to claim 1, wherein the glass plate includes a transparent glass plate.
- 3. A semiconductor device according to claim 1, 20 wherein the supporting substrate includes a flat supporting portion and a column portion, and the conductive patterns are provided on the flat supporting portion.
- A semiconductor device according to claim 1,
 wherein the glass plate is adhered onto the column portion.

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- 5. A semiconductor device according to claim 1, wherein a via hole is provided in the supporting substrate, and the circuit element and the external connecting terminals are electrically connected through the via hole.
- 6. A semiconductor device according to claim 1, wherein the circuit element is formed of one of a semiconductor element and a fuse element?
- 7. A semiconductor device according to claim 6, wherein the fuse element is formed of a bonding wire.
- 8. A semiconductor device manufacturing method comprising steps of:

preparing a supporting substrate in which conductive patterns having a number of mounting portions thereon are provided on a surface of the supporting substrate and external connecting terminals are provided on a back surface of the supporting substrate;

fixing a circuit element onto respective mounting portions;

adhering a glass plate to cover the circuit element and to form a hollow airtight portion between the supporting substrate and the glass plate every mounting portion; and

dividing the supporting substrate into respective mounting portions by dicing adhered portions between the supporting substrate and the glass plate.

- 9. A semiconductor device manufacturing method according to claim 8, wherein a visual inspection of the adhered portions is carried out after the supporting substrate and the glass plate are adhered.
 - 10. A semiconductor device manufacturing method comprising steps of:

preparing a supporting substrate in which conductive patterns having a number of mounting portions thereon are provided on a surface of the supporting substrate and external connecting terminals are provided on a back surface of the supporting substrate;

fixing a circuit element onto respective mounting
portions;

mounting a lattice-like column member on the supporting 20 substrate;

adhering a glass plate onto the column member to cover the circuit element and to form a hollow airtight portion formed by the supporting substrate, the column member and the glass plate every mounting portion; and

25 dividing the supporting substrate into respective

mounting portions by dicing adhered portions between the supporting substrate and the glass plate.

11. A semiconductor device manufacturing method
5 according to claim 10, wherein a visual inspection of the adhered
portions is carried out after the supporting substrate and the
glass plate are adhered.